



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Nam et al.)
 App. No. : 10/009,011)
 Filed : December 4, 2001)
 Title : HCV/BVDV CHIMERIC GENOMES)
 AND USES THEREOF)
 Art Unit : Unknown)
 Examiner : Unknown)

ASSOCIATE POWER OF ATTORNEY

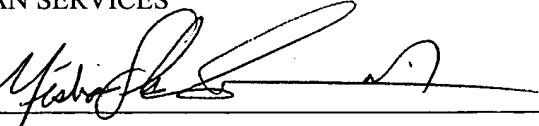
United States Patent and Trademark Office
 P.O. Box 2327
 Arlington, VA 22202

Dear Sir or Madam:

The undersigned attorney of record, pursuant to the provisions of 37 C.F.R. §§ 1.33 and 1.34, and M.P.E.P. § 402.02, hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, telephone (949) 760-0404, Customer No. 20,995, as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected herewith.

Done on this 21 day of April, 2003, at Rockville, Maryland.

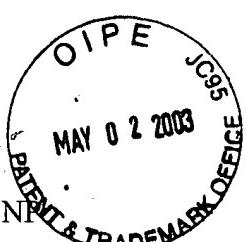
UNITED STATES DEPARTMENT OF HEALTH AND
 HUMAN SERVICES

By: 

Printed Name: MICHAEL SHAMLOVICH

Registration No.: 45,634

for:
 Office of Technology Transfer
 National Institutes of Health
 6011 Executive Boulevard, Suite 325
 Rockville, MD 20852
 Telephone (301) 496-7056
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POWER OF ATTORNEY BY ASSIGNEE UNDER 37 C.F.R. § 3.73(b)
AND
EXCLUSION OF INVENTOR UNDER 37 C.F.R. § 3.71

United States Patent and Trademark Office
P.O. Box 2327
Arlington, VA 22202

Dear Sir or Madam:

The United States Department of Health and Human Services is assignee of the entire right, title and interest in and to the above-identified application, as shown by the assignment recorded on September 17, 2002, at Reel 013299, Frame 0824, in the patent assignment records of the U.S. Patent and Trademark Office. This recorded Assignment has been reviewed by the undersigned, who certifies that, to the best of his or her knowledge and belief, title is in the assignee.

Said assignee hereby revokes any previous Powers of Attorney in the subject application and appoints the registrants of National Institutes of Health Offices of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, MD 20852, telephone (301) 496-7056, Customer No. 005318 as its attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Said appointment is to the exclusion of the inventor(s) and their attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

The National Institutes of Health Office of Technology Transfer has been duly delegated responsibility for such patent matters under the authority of the Department of Health and

Serial No. : 10/009,011
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Human Services Secretary Louis W. Sullivan's May 21, 1991 memorandum appearing in the Friday, June 7, 1991 Federal Register Notices at Vol. 56, No. 110, pp. 26418-26419. The undersigned is authorized to exercise such authority in this matter.

Done on this 21 day of April, 2003, at Rockville, Maryland.

UNITED STATES DEPARTMENT OF HEALTH
AND HUMAN SERVICES

By: 

Printed Name: MICHAEL SIAMILOVICI

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for:

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DHHS CASE NO. E-102-99/1

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